<u>IN THE CLAIMS</u>

Please amend the claims as follows:

Claim 1 (Currently Amended): <u>A dumb gateway</u> ~~Gateway~~ device [[(3; 4)]] for connecting a ~~respective~~ bus system [[(7; 8)]] with a common network layer [[(300)]] that is designed to build a ~~superior~~ <u>transparent access</u> network by connecting at least one ~~further~~ bus system [[(8; 7)]] via at least one ~~further~~ <u>dumb</u> gateway device [[(4; 3)]] to said common network layer [[(300)]], said <u>dumb</u> gateway device [[(3; 4)]] comprising<u>:</u>

a bus service interface [[(31; 41)]] <u>configured</u> to access all functionality and commands of ~~a further~~ <u>said</u> bus system [[(8; 7)]] via said common network layer [[(300)]] from an intelligent gateway [[(1)]] <u>connected to said common network layer</u> ~~within said superior network~~.

Claim 2 (Currently Amended): <u>A dumb gateway</u> ~~Gateway~~ device according to claim 1, ~~characterized in that~~ <u>wherein</u> said bus service interface [[(31; 41)]] is able to post bus events on said common network layer [[(300)]] in case a device [[(5; 6)]] within said respective bus system [[(7; 8)]] indicates the possibility to communicate via said common network layer [[(300)]].

Claim 3 (Currently Amended): <u>A dumb gateway</u> ~~Gateway~~ device according to claim 1, ~~characterized in that~~ <u>wherein</u> said bus service interface [[(31; 41)]] is usable by a device presenter [[(12, 13; 14)]] to communicate with the corresponding real device [[(5; 6)]] connected to said respective bus system [[(7; 8)]].

Claim 4 (Currently Amended): <u>A dumb gateway</u> ~~Gateway~~ device according to claim 1, ~~characterized in that~~ <u>wherein</u> said bus service interface [[(31; 41)]] is able to represent a

virtual device [[(32; 42)]] to its respective bus system [[(7; 8)]] based on a corresponding

device emulator [[(15; 16)]].

Claim 5 (Currently Amended): A dumb gateway ~~Gateway~~ device according to claim

1, ~~characterized in that~~ wherein said bus service interface [[(31; 41)]] communicates via said

common network layer [[(300)]] according to the Universal Plug and Play protocol set.

Claim 6 (Currently Amended): A dumb gateway ~~Gateway~~ device according to claim

1, ~~characterized in that by an~~ wherein said intelligent gateway ~~for communicating between~~

communicates with said dumb gateway ~~devices~~ device [[(3;4)]], which respectively ~~connect~~

connects to a respective bus system [[(7;8)]], ~~which comprises~~ that includes at least one

physical device [[(5;6)]], with a common network layer [[(300)]], comprising a static or

dynamic possibility to provide at least one device presenter [[(12, 13; 14)]] and/or at least one

device emulator [[(16;15)]] of at least one physical device [[(5;6)]] to said common network

layer [[(300)]].

Claim 7 (Currently Amended): An intelligent ~~Intelligent~~ gateway [[(1)]] for

communicating between gateway devices [[(3; 4)]], which respectively connect to a

respective bus system [[(7; 8)]], ~~which comprises~~ that includes at least one physical device

[[(5; 6)]], with a common network layer [[(300)]], comprising:

a static or dynamic possibility to provide at least one device presenter [[(12, 13; 14)]]

and/or at least one device emulator [[(16; 15)]] of at least one physical device [[(5; 6)]] to

said common network layer [[(300)]].

Claim 8 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized by~~ wherein a device manager [[(11)]] that monitors bus events for new devices, which are posted on said common network layer [[(300)]], and finds, loads and assigns corresponding device presenters and/or emulators.

Claim 9 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 8, ~~characterized in that~~ wherein said device manager [[(11)]] loads device presenters and/or emulators from external sources.

Claim 10 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized in that~~ further comprising:

a device presenter ~~presents~~ configured to present a real device on a bus system as a generic abstract device or service.

Claim 11 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized in that~~ further comprising:

a device emulator ~~emulates~~ configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 10, ~~characterized in that~~ wherein said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

Claim 13 (Currently Amended): <u>An transparent access</u> ~~Superior~~ network that

integrates at least two bus systems, each of which comprises a respective gateway device

according to claim 1, comprising<u>:</u>

at least one intelligent gateway for communicating between gateway devices [[(3;4)]],

which respectively connect <u>to</u> a respective bus system [[(7;8)]], ~~which comprises~~ <u>said at least</u>

<u>on gateway including</u> at least one physical device [[(5;6)]], with a common network layer

[[(300)]], ~~comprising~~ <u>including</u> a static or dynamic possibility to provide at least one device

presenter [[(12, 13; 14)]] and/or at least one device emulator [[(16;15)]] of at least one

physical device (5;6) to said common network layer [[(300)]], and

said common network layer [[(300)]] being connected to the respective gateways and

said at least one intelligent gateway.